

ERROR CODES

ERROR CODE	ERROR CODE MESSAGE
---------------	--------------------

2	Memory Insufficient
3	Value Error
4	Too Many Variables
5	String Length Error
6	Out of Data Error
7	Number greater than 32767
8	Input Statement Error
9	Array or String DIM Error
10	Argument Stack Overflow
11	Floating Point Overflow/ Underflow Error
12	Line Not Found
13	No Matching FOR Statement
14	Line Too Long Error
15	GOSUB or FOR Line Deleted
16	RETURN Error
17	Garbage Error
18	Invalid String Character

Note: The following are INPUT/OUTPUT errors that result during the use of disk drives, printers, or other accessory devices. Further information is provided with the auxiliary hardware.


19	LOAD program Too Long
20	Device Number Larger
21	LOAD File Error
128	BREAK Abort
129	IOCB
130	Nonexistent Device
131	IOCB Write Only
132	Invalid Command
133	Device or File not Open
134	BAD IOCB Number
135	IOCB Read Only Error
136	EOF
137	Truncated Record
138	Device Timeout
139	Device NAK
140	Serial Bus
141	Cursor Out of Range

ERROR CODE	ERROR CODE MESSAGE
---------------	--------------------

142	Serial Bus Data Frame Overrun
143	Serial bus data frame checksum error
144	Device done error
145	Read after write compare error
146	Function not implemented
147	Insufficient RAM
160	Drive number error
161	Too many OPEN files
162	Disk full
163	Unrecoverable system data I/O error
164	File number mismatch
165	File name error
166	POINT data length error
167	File locked
168	Command invalid
169	Directory full
170	File not found
171	POINT invalid

KEYBOARD EDITING FEATURES

SELECTED SINGLE KEYPRESSES

<u>KEYSTROKE</u>	<u>CHARACTER OR ACTION</u>
SYSTEM RESET	Stops everything. <u>USE CAUTION!</u>
RETURN	Signals line is finished
BREAK	Interrupts and halts. <u>USE CAUTION!</u>
CAPS/LOWR	Changes to lower case letters
THE  KEY	Inverse video switch
TAB	Moves to next tab stop
DELETE BACK S	Character left of cursor erased, cursor backs up one space

SELECTED SHIFT KEY EFFECTS

<u>KEYSTROKE</u>	<u>CHARACTER OR ACTION</u>
SHIFT-TAB	Set tab stop
SHIFT-Clear	Clear display screen
SHIFT-Insert	Insert blank line
SHIFT-CAPS/LOWR	Switch keyboard to upper-case
SHIFT-DELETE BACK S	Delete current line

SELECTED CTRL KEY COMBINATIONS

<u>KEYSTROKE</u>	<u>CHARACTER OR ACTION</u>
CTRL-TAB	Clear tab stop
CTRL- ↑	Cursor up a line
CTRL- ↓	Cursor down a line
CTRL- ←	Cursor left one space
CTRL- →	Cursor right one space
CTRL-1	Stop/start printing on screen
CTRL-Clear	Clear screen
CTRL-Insert	Insert a space
CTRL-CAPS/LOWR	Switch keyboard to graphics mode
CTRL-DELETE BACK S	Delete character under cursor

TABLE OF MODES AND SCREEN FORMATS

Gr. Mode	Mode Type	Horiz. (Columns)	Vert. (Rows) Split Screen	Vert. (Rows) Full Screen	#Of Colors	RAM Required (Bytes)
0	TEXT	40	-	24	2	993
1	TEXT	20	20	24	5	513
2	TEXT	20	10	12	5	261
3	GRAPHICS	40	20	24	4	273
4	GRAPHICS	80	40	48	2	537
5	GRAPHICS	80	40	48	4	1017
6	GRAPHICS	160	80	96	2	2025
7	GRAPHICS	160	80	96	4	3945
8	GRAPHICS	320	160	192	1/2	7900

MODE, SET COLOR, COLOR TABLE

Default Colors	Mode or Condition	SETCOLOR (aexp1) Color Register No.	Color (aexp)	DESCRIPTION AND COMMENTS
LIGHT BLUE DARK BLUE BLACK	MODE 0 and ALL TEXT WINDOWS	0 1 2 3 4	COLOR data actually determines character to be plotted	— Character luminance (same color as background) Background — Border
ORANGE LIGHT GREEN DARK BLUE RED BLACK	MODES 1 and 2 (Text Modes)	0 1 2 3 4	COLOR data actually determines character to be plotted	Character Character Character Character Background, Border
ORANGE LIGHT GREEN DARK BLUE BLACK	MODES 3, 5, and 7 (Four-color Modes)	0 1 2 3 4	1 2 3 - 0	Graphics point Graphics point Graphics point — Graphics point (background default), Border
ORANGE BLACK	MODES 4 and 6 (Two-color Modes) 4	0 1 2 3 0	1 - - - -	Graphics point — — — Graphics point (background default), Border
LIGHT GREEN DARK BLUE BLACK	MODE 8 (1 Color 2 Luminances)	0 1 2 3 4	- 1 0 - -	— Graphics point luminance (same color as background) Graphics point (background default) — Border

COLOR CHART

<u>COLOR NUMBER</u>	<u>APPROXIMATE COLOR</u>
0	GRAY
1	GOLD
2	ORANGE
3	RED-ORANGE
4	PINK
5	PURPLE
6	RED-BLUE
7	BLUE
8	BLUE
9	LIGHT BLUE
10	TURQUOISE
11	GREEN-BLUE
12	GREEN
13	YELLOW-GREEN
14	ORANGE-GREEN
15	LIGHT ORANGE

SETCOLOR "DEFAULT" COLORS

<u>REGISTER</u>	<u>COLOR #</u>	<u>LUMINANCE</u>	<u>COLOR</u>
0	2	8	ORANGE
1	12	10	GREEN
2	9	4	DARK BLUE
3	4	6	PINK OR RED
4	0	0	BLACK

MUSICAL NOTES

	<u>PITCH</u>	<u>VALUE</u>
	C	60
	B	64
	A or B	68
	A	72
	G or A	76
HIGH	G	81
NOTES	F or G	85
	F	91
	E	96
	D or E	102
	D	108
	C or D	114
MIDDLE	C	121
	B	128
	A or B	136
	A	144
	G or A	153
	G	162
	F or G	173
LOW	F	182
NOTES	E	193
	D or E	204
	D	217
	C or D	230
	C	243

Control Graphics Keyboard

